



PERRY EQUIPMENT CORPORATION
AN ISO 9001 COMPANY

SERIES 110-H

SINGLE-STAGE PHASE SEPARATOR

GENERAL DATA

The operation and maintenance of the PECO Series 110-H Single Stage Phase Separator is extremely simple. This unit is designed to operate for long periods of time completely unattended except for a periodic draining of the sump of units not equipped with automatic draining devices.

INSTALLATION INSTRUCTIONS

1. Check the Phase Separator drawing to get acquainted with the flow through the unit.
2. Connect the Phase Separator by the usual piping methods, observing proper inlet and outlet as marked on drawings. Liquid Level Controls and Drains should be checked for proper operation.
3. Build up pressure on Phase Separator and check for leaks.
4. If no leaks are found, check to be sure that all pressure gauge connections, drain connections, etc. are ready for operation.
5. Put Phase Separator on stream.

OPERATING INSTRUCTIONS

1. Determine the initial pressure drop (using either pressure gauges or manometer).
2. After the Phase Separator has been in service for several hours, check gauge glasses to determine how much liquid has collected in the liquid reservoir. This will require daily checking if the unit is not equipped with automatic liquid level controls.
3. After the Phase Separator has begun to show a pressure build-up of approximately 5 PSI, it is suggested that the unit be taken out of service, the closure opened and the wafer element replaced.

CHANGING ELEMENTS

1. Drain unit of all fluid.
2. Open the PECO Quick Opening Closure (or swing-bolt or flange)
3. Remove first repack wafer. (These wafers are intentionally manufactured to fit very tightly in the unit so as to eliminate by-passing. It may be necessary to remove the wafer with a winch or some other means.)
4. Inspect second wafer visually to determine if it is highly contaminated. If so, remove second wafer and inspect the third wafer.
5. Install new repack wafer, being sure to push it against the element tabs or the preceding wafer. (These repack wafers are nondirectional so that there is no "front" or "back".)
6. Inspect the O-ring for damage. Replace o-ring if necessary. Reinstall the Closure (or Swing-bolt or flange).
7. This unit is now ready to operate.
8. Order closure gaskets and elements by series, model, and serial numbers as shown on the Phase Separator nameplate.

IF ANY DIFFICULTIES ARE EXPERIENCED WITH THE PHASE SEPARATOR,

ENGINEERED FILTRATION TECHNOLOGIES